

**S**YSTEM **P**LANNING & **A**NALYSIS **R**eport

**S-78**

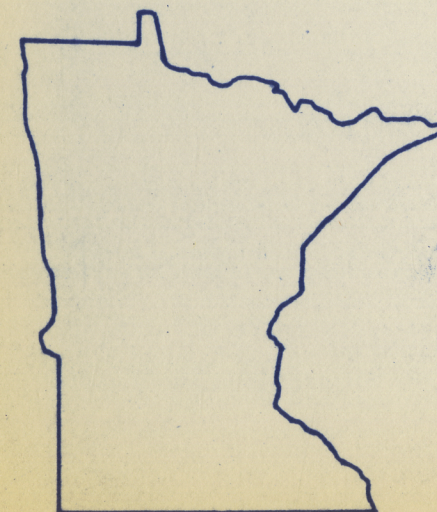
T.H. 55

FROM 52ND STREET TO 44TH STREET  
IN MINNEAPOLIS

S.P. 2724

FEBRUARY, 1972

PREPARED BY  
**OFFICE OF SYSTEM PLANNING**



**MINNESOTA  
DEPARTMENT  
OF HIGHWAYS**



DEPARTMENT HIGHWAY - Statewide Planning -  
Room 807 - Extension 3158

# Office Memorandum

TO : Paul G. Velz  
Road Design Engineer

DATE: February 3, 1972

FROM : Morris Gildemeister, Chief  
Statewide Planning Section

SUBJECT: T.H. 55, From 52nd Street to 44th Street  
S.P. 2724  
System Planning & Analysis Report S-78

The Statewide Planning Section transmits this report in response to K. H. Worwick's November 17, 1971 request for the 1985 ADT, DHV, and HCADT for the project location shown on the map on page 2.

The estimated 1985 ADT volumes are shown on the map on page 3.

For each segment numbered on the map on page 3, the following data are tabulated on pages 4 and 5:

- (a) Total ADT
- (b) Vehicle Type Distribution
- (c) Total HCADT

Segment 4, with a 1985 ADT of 44000, has the highest ADT on the project section of T.H. 55. This segment has a 1970 one-way ADT of 4500 vehicles.

The basic data, method, and assumptions used to prepare this report are presented on page 6.

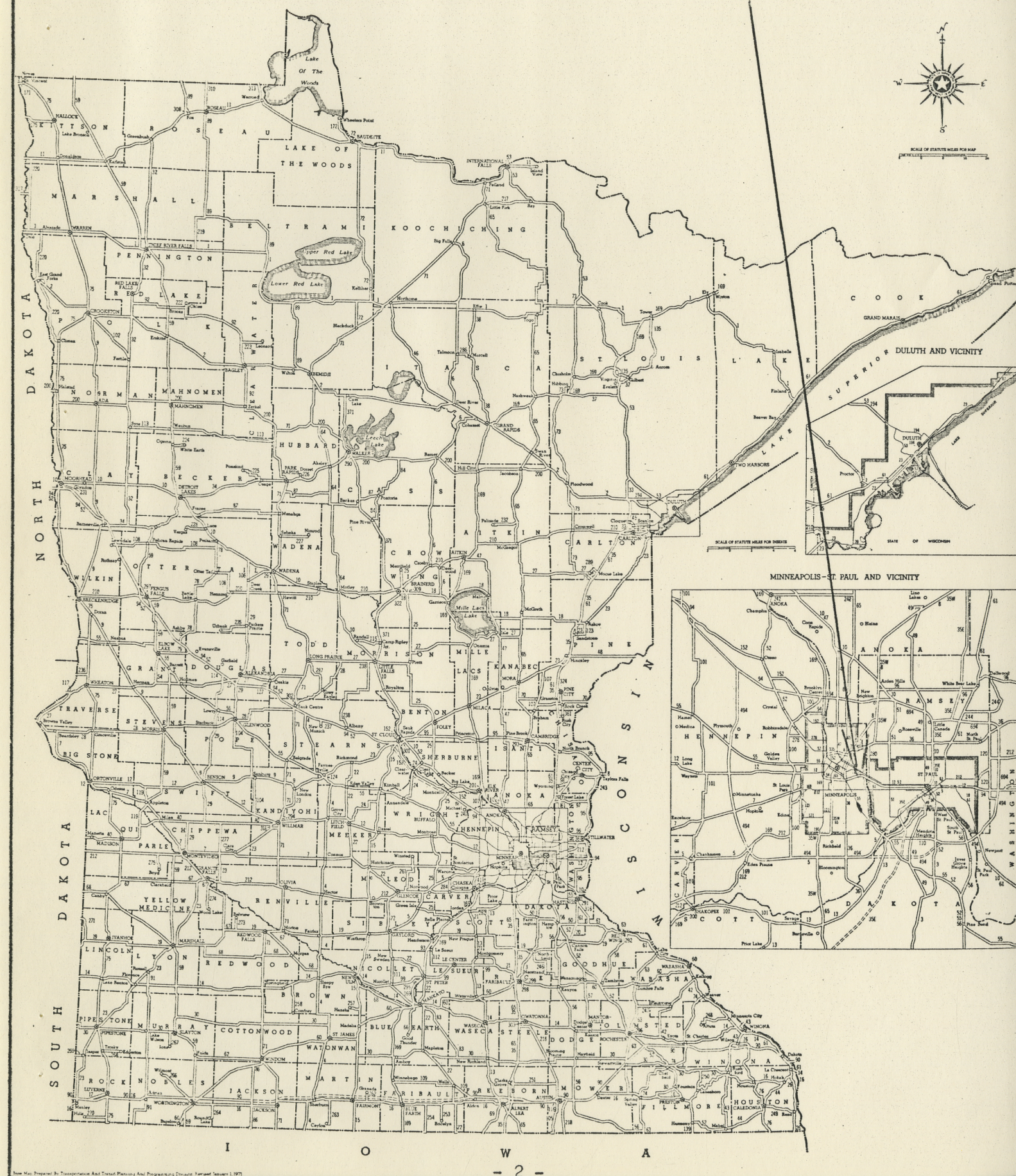
*Morris Gildemeister*

Morris Gildemeister, Chief  
Statewide Planning Section

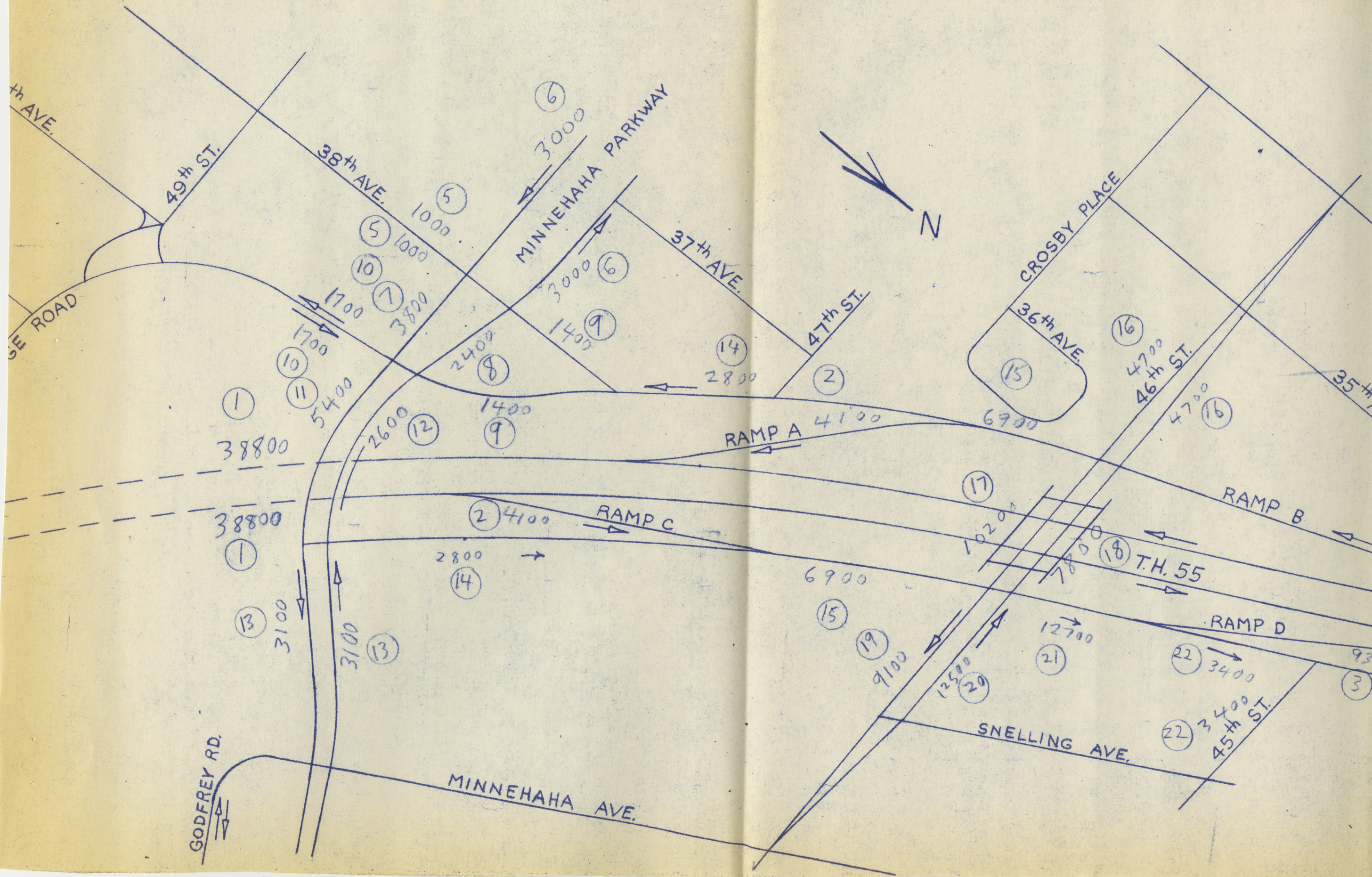
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STATE OF MINNESOTA  
DEPARTMENT OF HIGHWAYS  
WORK MAP

Project Location  
S.P. 2724









S-78  
February, 1972

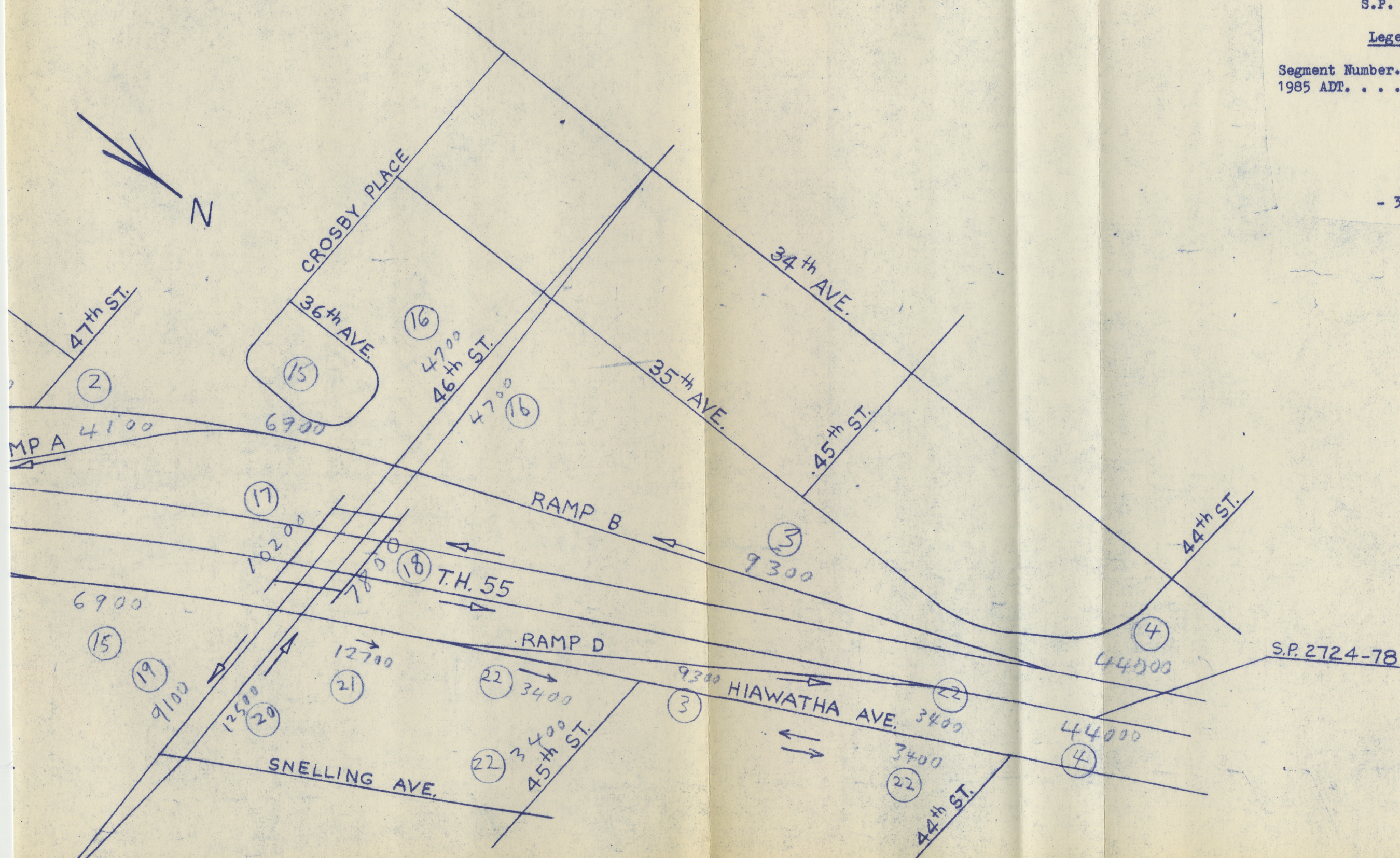
T.H. 55  
From 52nd Street to 44th Street  
in Minneapolis

S.P. 2724

Legend

Segment Number. . . . . (4)  
1985 ADT. . . . . 44000

- 3 -





## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 2

FOR

T.H. 55 S.P. 2724 LENGTH ----- MILES  
 COUNTY Hennepin LOCATION From 52nd Street to 44th Street  
in Minneapolis

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS  
 DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	34179	3631	8480	39028	928	2782	3526	2227	1298	1578	5011
1	2567	269	430	2728	36	109	137	86	51	61	194
2	426	56	114	484	10	30	38	24	14	17	54
3	400	47	87	440	8	24	30	19	11	14	43
4	274	36	70	308	7	21	27	17	10	12	38
5	877	55	102	924	9	28	34	22	13	15	49
6	77	6	17	88	2	6	8	5	3	3	11
TOTAL ADT	38800	4100	9300	44000	1000	3000	3800	2400	1400	1700	5400
TOTAL H. COMM. ADT	4621	469	820	4972	72	218	274	173	102	122	389
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS

## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 2

FOR

T.H. 55 S.P. 2724 LENGTH ----- MILES  
 COUNTY Hennepin LOCATION From 52nd Street to 44th Street  
in Minneapolis

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS  
 DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	2413	2876	2596	6227	4361	9361	7179	8361	11452	11635	3155
1	94	112	102	371	172	442	324	388	554	552	122
2	26	31	23	84	46	112	83	99	139	148	34
3	21	25	22	69	35	91	67	80	114	114	27
4	18	22	20	56	32	70	54	62	87	94	24
5	23	28	26	81	43	103	77	91	129	133	31
6	5	6	6	12	10	21	16	19	25	24	7
TOTAL ADT	2600	3100	2800	6900	4700	10200	7800	9100	12500	12700	3400
TOTAL H. COMM. ADT	187	224	204	673	339	839	621	739	1048	1065	245
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
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#### Basic Data, Method, and Assumptions

The 1985 ADT and DHV for the project is transmitted in SPAR M-80 on February 1, 1972.

Total heavy commercial ADT agrees with System 14 heavy truck study.

Vehicle classification counts made in the study area were projected by vehicle type to 1985 volumes by use of a vehicle type trend study. The 1985 volumes resulting were applied to total heavy commercial ADT to determine 1985 vehicle type distributions for the project.

The 1995 volumes may be obtained by increasing 1985 volumes by 20 percent.